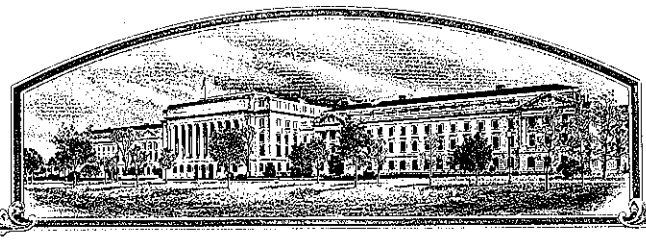

No. 9500279

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

University of Maryland

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR PRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR KING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN TED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF ED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT, COMMON

'Catoctin'

In Testimony Whereof, *I have hereunto set my hand and caused the seal of the* Plant Variety Protection Office *to be affixed at the City of Washington, D.C. this thirty-first day of May in the year of our Lord one thousand nine hundred and ninety-six.*

Attest:

Marsha A. Stanto

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Secretary of Agriculture

REPRODUCE LOCALLY. *Include form number and date on all reproductions.* FORM APPROVED - OMB NO. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE DIVISION - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a).

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) *(as it is to appear on the Certificate)*
University of Maryland

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER
Md 80071-56

3. VARIETY NAME
Catoctin

4. ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)*
Office of Technology Liaison
4312 Knox Road
College Park, MD 20742

5. TELEPHONE *(include area code)*
(301) 405-4209

6. FAX *(include area code)*
(301) 314-9871

FOR OFFICIAL USE ONLY

PVPO NUMBER
9500279

FILING DATE
August 17, 1995

FEES RECEIVED
FILING AND EXAMINATION FEE
$ 2325.00 & #125.00
DATE
08/17/95 & 10/10/95
CERTIFICATION FEE
$ 300.00
DATE
4-26-96

7. GENUS AND SPECIES NAME
Triticum aestivum (L.)

8. FAMILY NAME *(Botanical)*
Graminaceae

9. CROP KIND NAME *(Common name)*
Soft Red Winter Wheat

10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION *(corporation, partnership, association, etc.) (Common name)*
State Experiment Station

11. IF INCORPORATED, GIVE STATE OF INCORPORATION

12. DATE OF INCORPORATION

13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS
Wayne E. Swann
Office of Technology Liaison
4312 Knox Road
College Park, MD 20742

14. TELEPHONE *(include area code)*

15. FAX *(include area code)*

16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED *(Follow instructions on reverse)*

a. [X] Exhibit A. Origin and Breeding History of the Variety
b. [X] Exhibit B. Statement of Distinctness
c. [X] Exhibit C. Objective Description of the Variety
d. [ ] Exhibit D. Additional Description of the Variety
e. [X] Exhibit E. Statement of the Basis of the Applicant's Ownership
f. [X] Voucher Sample *(2,500 viable untreated seeds or, for tuber propagated varieties verification that tissue culture will be deposited and maintained in a public repository)*
g. [X] Filing and Examination Fee ($2,450), made payable to "Treasurer of the United States" *(Mail to PVPO)*

17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY, AS A CLASS OF CERTIFIED SEED? *(See Section 83(a) of the Plant Variety Protection Act)?*
[X] YES *(If "yes," answer items 18 and 19 below)* [ ] NO *(If "no," go to item 20)*

18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?
[X] YES [ ] NO

19. IF "YES" TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?
[X] FOUNDATION [X] REGISTERED [X] CERTIFIED

20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES?
[X] YES *(If "yes," give names of countries and dates)* [ ] NO

21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.

The undersigned applicant(s) is(are) the owner(s) of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Applicant(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF APPLICANT *(Owner(s))*		SIGNATURE OF APPLICANT *(Owner(s))*	
Wayne Swann			
NAME *(Please print or type)*		NAME *(Please print or type)*	
Wayne E. Swann			
CAPACITY OR TITLE	DATE	CAPACITY OR TITLE	DATE
Executive Director, OTL	11/3/95		1

EXHIBIT A- ORIGIN AND BREEDING HISTORY
CATOCTIN

Fall 1979 Original cross made in the greenhouse at College Park, Md.
Cross number was MD80071.
Parentage-Experimental Early Holley/P67137B12-3-2/2/Va70-52-22.
Experimental Early Holley is an early selection of Holley.
P67137B12-3-2 is a Purdue University breeding line derived from two backcrosses of Beau with a Septoria resistant line derived from Bulgaria 88.
Va70-52-22 is a Virginia line derived from the cross Taylor*2//Norin 10/Brevor/3/unknown parent.

Fall 1980 F_1 plants grown in the greenhouse.

Fall 1981 F_2 plants grown in the field at Queenstown, Md.
Segregating generations of the cross MD80071 were advanced using a modified bulk breeding method.

Summer 1986 F_6 Head row selection was made. Designated MD80071-56. This selection was evaluated in preliminary yield trials from 1987 through 1989. In these preliminary yield trials MD80071-56 was observed to be a high-yielding, mid-season soft red winter wheat with good to excellent test weight, excellent winter hardiness, and resistance to the races of powdery mildew (*Erisiphe graminis* DC f. sp. *tritici* Em. Marchal) prevalent in Maryland. MD80071-56 was tested in the Uniform Eastern Soft Red Winter Wheat Nursery (33 locations in 21 states) during 1991 and 1992. In 1992 MD80071-56 was tested in the Uniform Southern Soft Red Winter Wheat Nursery (30 locations in 21 states).

Fall 1993 Breeder seed of MD80071-56 was increased in Maryland and designated 'Catoctin'.

Summer 1995 Foundation seed produced in Maryland.

Observations during several years and locations indicate that Catoctin is uniform and stable within commercially acceptable limits. As is true with other wheat varieties, a small percentage of offtypes or variants can occur within commercially acceptable limits for almost any characteristic during the course of repeated multiplication.

EXHIBIT B-NOVELTY STATEMENT
CATOCTIN

'Catoctin' is most similar to the soft red winter wheats 'Madison' and 'Jackson' from Virginia, 'Hickory' and 'Sawyer' from Agripro, and 'Coker 9835' and 'Coker 9904' from Northrup Seed Co. Differences include but are not restricted to the following:

'Catoctin' can be distinguished from 'Madison' as follows:
-'Catoctin' is green at booting. 'Madison' is blue-green at booting.
-'Catoctin' has a twisted flag leaf. The flag leaf of 'Madison' is not twisted.
-'Catoctin' is apically awnleted. 'Madison' is awnleted.

'Catoctin' can be distinguished from 'Jackson' as follows:

-'Catoctin' has no hairs on the first leaf sheath. 'Jackson' has hairs on the first leaf sheath.
-The flag leaf of 'Catoctin' is twisted. The flag leaf of 'Jackson' is not twisted.
-'Catoctin' has glumes with an acuminate beak. 'Jackson' has glumes with an acute beak.
-'Catoctin' has a collared seed brush. 'Jackson' has a non-collared seed brush.

'Catoctin' can be distinguished from Agripro 'Hickory' as follows:

-'Catoctin' has no hairiness on last internode of the rachis. 'Hickory' has hairiness on the last internode of the rachis.
-'Catoctin' has no anthocyanin on auricles. 'Hickory' has anthocyanin present on auricles.
-'Catoctin' is apically awnleted. 'Hickory' is awnleted.

'Catoctin' can be distinguished from Agripro 'Sawyer' as follows:

-'Catoctin' has a white coleoptile. Agripro 'Sawyer' has a red coleoptile.
-'Catoctin' has auricles with no anthocyanin. Agripro 'Sawyer' has auricles with anthocyanin.
-'Catoctin' has yellow anthers. Agripro 'Sawyer' has purple anthers.
-'Catoctin' has glumes with an acuminate beak. Agripro 'Sawyer' has glumes with an obtuse beak.
-'Catoctin' has a collared seed brush. Agripro 'Sawyer' has a non-collared seed brush.

'Catoctin' can be distinguished from 'Coker 9835' as follows:

-'Catoctin' is green at booting. 'Coker 9835' is blue-green at booting.
-'Catoctin' has no anthocyanin present on the stem. 'Coker 9835' has anthocyanin present on the stem.
-'Catoctin' has no anthocyanin present on the auricles. 'Coker 9835' has anthocyanin present on the auricles.

'Catoctin' can be distinguished from 'Coker 9904' as follows:

-'Catoctin' is green at booting. 'Coker 9904' is yellow-green at booting.
-'Catoctin' has no hairiness on last internode of the rachis. 'Coker 9904' has hairiness on last internode of the rachis.
-The seed brush of 'Catoctin' is collared. The seed brush of 'Coker 9904' is not collared.

LS-95-041

Form Approved: OMB No. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
COMMODITIES SCIENTIFIC SUPPORT DIVISION
BELTSVILLE, MARYLAND 20705

EXHIBIT C
(Wheat)

OBJECTIVE DESCRIPTION OF VARIETY
WHEAT (*TRITICUM SPP.*)

INSTRUCTIONS: *See Reverse.*

NAME OF APPLICANT(S)
University of Maryland

ADDRESS (*Street and No. or R.F.D. No., City, State, and ZIP Code*)
4312 Knox Road
College PArk, Maryland 20742

FOR OFFICIAL USE ONLY

PVPO NUMBER
9500279

VARIETY NAME OR TEMPORARY DESIGNATION
Catoctin

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in first box (e.g. [0][8][9] or [0][9]) when number is either 99 or less or 9 or less.

1. KIND:
[1] 1 = COMMON 2 = DURUM 3 = EMMER 4 = SPELT 5 = POLISH 6 = POULARD 7 = CLUB

2. TYPE:
[2] 1 = SPRING 2 = WINTER 3 = OTHER (*Specify*) _____
[1] 1 = SOFT 2 = HARD 3 = OTHER (*Specify*) _____

[2] 1 = WHITE 2 = RED 3 = OTHER (*Specify*) _____

3. SEASON - NUMBER OF DAYS FROM EMERGENCE TO:
[2][2][0] FIRST FLOWERING
[2][3][0] LAST FLOWERING

4. MATURITY (*50% Flowering*):
[ ][ ] NO. OF DAYS *EARLIER* THAN .....
[0][2] NO. OF DAYS *LATER* THAN .....
[ ] [1] 1 = ARTHUR 2 = SCOUT 3 = CHRIS 4 = LEMHI 5 = NUGAINES 6 = LEEDS

5. PLANT HEIGHT (*From soil level to top of head*):
[ ][9.][9] CM. HIGH
[ ][ ] CM. TALLER THAN .....
[0][1] CM. SHORTER THAN .....
[ ] [1] 1 = ARTHUR 2 = SCOUT 3 = CHRIS 4 = LEMHI 5 = NUGAINES 6 = LEEDS

6. PLANT COLOR AT BOOTING (*See reverse*):
[2] 1 = YELLOW GREEN 2 = GREEN 3 = BLUE GREEN

7. ANTHER COLOR:
[1] 1 = YELLOW 2 = PURPLE

8. STEM:
[1] Anthocyanin: 1 = ABSENT 2 = PRESENT
[2] Waxy bloom: 1 = ABSENT 2 = PRESENT
[1] Hairiness of last internode of rachis: 1 = ABSENT 2 = PRESENT
[1] Internodes: 1 = HOLLOW 2 = SOLID
[0][4] NO. OF NODES (*Originating from node above ground*)
[2][6] CM. INTERNODE LENGTH BETWEEN FLAG LEAF AND LEAF BELOW

9. AURICLES:
[1] Anthocyanin: 1 = ABSENT 2 = PRESENT
[2] Hairiness: 1 = ABSENT 2 = PRESENT

10. LEAF:
[1] Flag leaf at booting stage: 1 = ERECT 2 = RECURVED 3 = OTHER (*Specify*): _____
[2] Flag leaf: 1 = NOT TWISTED 2 = TWISTED
[1] Hairs of first leaf sheath: 1 = ABSENT 2 = PRESENT
[2] Waxy bloom of flag leaf sheath: 1 = ABSENT 2 = PRESENT
[1][2] MM. LEAF WIDTH (*First leaf below flag leaf*)
[1][8] CM. LEAF LENGTH (*First leaf below flag leaf*):

FORM LMGS 470-6 (6-82) (Formerly Form LPGS 470-6 (3-79), which may be used)

9500279

11. HEAD:

[1] Density: 1 = LAX 2 = DENSE

[1] Shape: 1 = TAPERING 2 = CLAP 3 = CLAVATE 4 = OTHER (Specify)

[2] Awnedness: 1 = AWNLESS 2 = APICALLY AWNLETED 3 = AWNLETED 4 = AWNED

[2] Color at maturity: 1 = WHITE 2 = YELLOW 3 = PINK 4 = RED 5 = BROWN 6 = BLACK 7 = OTHER (Specify): _____

[0 7] CM. LENGTH

[1 5] MM. WIDTH

12. GLUMES AT MATURITY:

[3] Length: 1 = SHORT (CA. 7 mm.) 2 = MEDIUM (CA. 8 mm.) 3 = LONG (CA. 9 mm.)

[3] Width: 1 = NARROW (CA. 3 mm.) 2 = MEDIUM (CA. 3.5 mm.) 3 = WIDE (CA. 4 mm.)

[2] Shoulder shape: 1 = WANTING 2 = OBLIQUE 3 = ROUNDED 4 = SQUARE 5 = ELEVATED 6 = APICULATE

[3] Beak: 1 = OBTUSE 2 = ACUTE 3 = ACUMINATE

13. COLEOPTILE COLOR:

[1] 1 = WHITE 2 = RED 3 = PURPLE

14. SEEDLING ANTHOCYANIN:

[1] 1 = ABSENT 2 = PRESENT

15. JUVENILE PLANT GROWTH HABIT:

[3] 1 = PROSTRATE 2 = SEMI-ERECT 3 = ERECT

16. SEED:

[3] Shape: 1 = OVATE 2 = OVAL 3 = ELLIPTICAL

[1] Cheek: 1 = ROUNDED 2 = ANGULAR

[2] Brush: 1 = SHORT 2 = MEDIUM 3 = LONG

[2] Brush: 1 = NOT COLLARED 2 = COLLARED

[3] Phenol reaction (See instructions): 1 = IVORY 2 = FAWN 3 = LT. BROWN 4 = BROWN 5 = BLACK

[2] Color: 1 = WHITE 2 = AMBER 3 = RED 4 = PURPLE 5 = OTHER (Specify) _____

[0 7] MM. LENGTH

[0 3] MM. WIDTH

[3 6] GM. PER 1000 SEEDS

17. SEED CREASE:

[1] Width: 1 = 60% OR LESS OF KERNEL 'WINOKA' 2 = 80% OR LESS OF KERNEL 'CHRIS' 3 = NEARLY AS WIDE AS KERNEL 'LEMHI'

[1] Depth: 1 = 20% OR LESS OF KERNEL 'SCOUT' 2 = 35% OR LESS OF KERNEL 'CHRIS' 3 = 50% OR LESS OF KERNEL 'LEMHI'

18. DISEASE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

[0] STEM RUST (Races) _____

[0] LEAF RUST (Races) _____

[0] STRIPE RUST (Races) _____

[0] LOOSE SMUT

[2] POWDERY MILDEW

[0] BUNT

[0] OTHER (Specify) _____

19. INSECT: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

[0] SAWFLY

[0] APHID (Bydv.)

[0] GREEN BUG

[0] CEREAL LEAF BEETLE

[ ] OTHER (Specify) _____

HESSIAN FLY RACES: [0] GP [0] A [0] B [0] C [0] D [0] E [0] F [0] G

20. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED:

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant tillering		Seed size	
Leaf size		Seed shape	
Leaf color		Coleoptile elongation	
Leaf carriage		Seedling pigmentation	

INSTRUCTIONS

GENERAL: The following publications may be used as a reference aid for the standardization of terms and procedures for completing this form:

(a) L.W. Briggle and L. P. Reitz, 1963, Classification of Triticum Species and Wheat Varieties Grown in the United States, Technical Bulletin 1278, United States Department of Agriculture.

(b) W.E. Wallis, 1965, A Standardized Phenol Method for Testing Wheat Seeds for Varietal Purity, contribution No. 28 to the handbook of seed testing prepared by the Association of Official Seed Analysts. (See attachment.)

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9500279

1994 Crop
MBQ - UERN
Entries #7601 - #7870

Ten entries were grown at fourteen locations. Each location had two reps, except for Wichita, Kansas. Each location / rep was analyzed separately by comparison to the CALDWELL checks. Secondly, all reps / locations were combined and compared to the averaged data for the 27 CALDWELL checks.

The combined data was also presented as a series of graphs and tables, since comparisons could be made across locations / reps. When compared to the benchmark, which is also CALDWELL, the standard was more lenient. It had 2% less flour yield and 2.1% higher A.W.R.C., although softness equivalent (S.E.) was 4.5% higher.

The following comments are based on the combined rep / location evaluation:

Caldwell

Milling Quality Score:

As expected, Milling Quality Scores were in a range of 95.9 - 104.9, with a mean of 99.9, since the mean CALDWELL data was used as the standard.

Baking Quality Score:

Although the mean Baking Quality Scores was 100.4, the baking Quality scores showed more variation than the Milling Quality Scores. The range was 93.1 to 110.

Adjusted Yield:

Yields varied from 70.9% to 73.5%, with a 73.5% mean. Woodburn, Indiana; Purdue Univ.; and Lexington, Kentucky all had lower yields for both reps.

Protein:

Although not part of the quality scores, the protein levels were graphed. The highest protein content was 9.6%, which is still good. Several locations had very low protein content.

A.W.R.C.:

A.W.R.C. levels were good. with a mean of 54.0%. Note very low A.W.R.C. for Knoxville, rep 1 and both reps from Bay, Arkansas.

Milling Quality Score:

Although the mean Milling Quality score was 91.9, "C", the adjusted yields were low (69.6%, mean). Because of a lenient standard, Milling Quality scores were elevated.

Baking Quality Score:

The Baking Quality Scores give a true indication of baking quality. The mean score of 91.2, "C", represents a mean A.W.R.C. of 55.1% and a mean S.E. of 55.6%. Neither of these were exceptional, but were certainly acceptable.

Adjusted Yield:

As noted previously, adjusted yields were consistently low. Entries from Knoxville, Tennessee had higher adjusted yields than the other locations.

Protein:

Protein levels varied by location. Note several high protein spikes, and several locations with very low protein.

A.W.R.C.:

A.W.R.C. levels were fairly consistent. The mean of 55.1% is comparable to the CALDWELL standard.

Softness Equivalent:

The 55.6% mean S.E. is "average" in quality.

9500279

1994 CROP
MBQ - UERN

SAMPLE NO.	ENTRY		MILLING QUALITY SCORE	BAKING QUALITY SCORE	COMBINED QUALITY SCORE	ADJ. YIELD	PROTEIN %	AWRC %	SOFT-NESS EQUIV.
7608 1-8	MD 80071-56	1	90.4	93.5	90.4	69.20	9.29	54.4	56.62
7618 2-8	MD 80071-56	2	91.1	91.3	91.1	69.42	9.30	54.8	55.26
7628 1-8	MD 80071-56	3	92.4	92.8	92.4	69.79	8.06	55.1	57.06
7638 2-8	MD 80071-56	4	91.6	93.0	91.6	69.56	8.09	55.6	58.08
7648 1-8	MD 80071-56	5	94.5	89.2	89.2	70.42	8.99	54.8	53.24
7658 2-8	MD 80071-56	6	95.3	90.9	90.9	70.67	8.73	54.9	55.04
7668 1-8	MD 80071-56	7	90.7	90.5	90.5	69.30	9.55	55.6	55.76
7678 2-8	MD 80071-56	8	89.6	92.2	89.6	68.96	9.81	55.2	56.69
7688 1-8	MD 80071-56	9	86.9	86.4	86.4	68.15	12.12	55.5	51.74
7698 2-8	MD 80071-56	10	91.7	91.6	91.6	69.59	9.93	53.8	53.95
7708 1-8	MD 80071-56	11	88.9	92.2	88.9	68.75	9.29	53.7	54.37
7718 2-8	MD 80071-56	12	91.0	93.7	91.0	69.38	8.09	54.6	57.13
7728 1-8	MD 80071-56	13	92.7	92.2	92.2	69.88	9.08	54.4	55.42
7738 2-8	MD 80071-56	14	93.7	89.0	89.0	70.18	8.55	56.1	55.13
7748 1-8	MD 80071-56	15	90.2	92.2	90.2	69.16	7.46	54.6	55.72
7758 2-8	MD 80071-56	16	92.4	89.0	89.0	69.80	7.47	57.2	56.86
7768 1-8	MD 80071-56	17	97.3	100.0	97.3	71.27	7.55	53.7	61.62
7778 2-8	MD 80071-56	18	96.7	95.5	95.5	71.08	7.87	54.0	57.86
7788 1-8	MD 80071-56	19	94.2	93.2	93.2	70.35	7.08	55.4	57.89
7798 2-8	MD 80071-56	20	94.8	92.1	92.1	70.53	7.14	55.5	57.04
7808 1-8	MD 80071-56	21	90.1	91.3	90.1	69.12	10.51	54.8	55.23
7818 2-8	MD 80071-56	22	92.1	91.8	91.8	69.71	9.42	54.9	55.83
7828 1-8	MD 80071-56	23	91.4	87.8	87.8	69.49	8.86	55.6	53.23
7838 2-8	MD 80071-56	24	92.4	86.5	86.5	69.80	8.86	56.6	53.54
7848 1-8	MD 80071-56	25	92.2	90.5	90.5	69.73	9.04	54.9	54.63
7858 2-8	MD 80071-56	26	90.8	90.5	90.5	69.33	9.09	55.6	55.72
7868 1-8	MD 80071-56	27	85.0	83.8	83.8	67.58	11.35	57.1	51.82
	MINIMUM		85.0	83.8	83.8	67.6	7.1	53.7	51.7
	MAXIMUM		97.3	100.0	97.3	71.3	12.1	57.2	61.6
	MEAN		91.9	91.2	90.5	69.6	8.9	55.1	55.6

EXHIBIT E - STATEMENT OF THE BASIS OF APPLICANT'S OWNERSHIP

The variety 'Catoctin', soft red winter wheat was developed by Dr. David J.Sammons, former plant breeder for the University of Maryland. It was identified for release during the interim between Dr. Sammons' tenure at the University of Maryland and when Dr. Jose Costa assumed the position of the Small Grains Breeder. As former and current employees of the University of Maryland College Park, Drs. Sammons and Costa are under the obligation to assign ownership of crop varieties or germplasm developed during their employment to the University of Maryland. No rights to such varieties or germplasm are retained by the employee. The Office of Technology Liaison is responsible for managing the intellectual property of the University of Maryland.